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AN 1995:864827 HCAPLUS

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TI Dimension-stable heat- and impact-resistant thermoplastic polymer compositions with good appearance and adhesion

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PA Daicel Chem, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM \*\*\*C08L051-04\*\*\*

ICS C08L025-12; \*\*\*C08L067-02\*\*\*

CC 37-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 39

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07173363	A2	19950711	JP 1993-320254	19931220
AB	<p>Title compns., useful for ***automobile*** ***interiors*** , acoustic device, and household appliance parts, contain 100 parts polymer compns. contg. (a) 15-70% graft copolymers prepd. by polymn. of 30-70 parts monomer mixts. contg. ***cyanated*** ***vinyls*** (CV) 15-45, arom. vinyls (AV) 55-85, and other copolymerizable vinyls (COV) 0-30% in the presence of 70-30 parts conjugated diene ***rubbers*** (b) 0-60% copolymers prepd. by polymn. of monomer mixts. contg. CV 15-45, AV 55-85, and COV 0-30%, (c) 20-80% ***PBT*** , and (d) 1.5-30% ***PET*** at ***PBT*** / ***PET*** ratio (95-50)/(5-50) and 5-100 parts fillers. Thus, polybutadiene-SBR mixed ***rubber*** (40%)-grafted 25:75 ***acrylonitrile*** - ***styrene*** copolymer 31.5, Cevian N 16, ***PBT*** 47.5, ***PET*** 5, ***glass*** ***fibers*** 25, antioxidant 0.1, and lubricant 0.1 part were extruded and injection molded at 260.degree. into test pieces showing heat distortion temp. 150.degree., Izod impact strength 18 kg-cm/cm, and tensile strength 880 kg/cm2.</p>				
ST	<p>heat resistance thermoplastic polymer blend; impact resistance thermoplastic polymer blend; dimension stable thermoplastic polymer blend; rigidity thermoplastic polymer blend; surface appearance thermoplastic polymer blend; adhesion thermoplastic polymer blend; polybutadiene grafting ***acrylonitrile*** ***styrene*** copolymer; SBR grafting ***acrylonitrile*** ***styrene*** copolymer blend; ***acrylonitrile*** ***styrene*** copolymer blend; ***PBT*** blend thermoplastic; ***PET*** blend thermoplastic; ***glass*** ***fiber*** ***filler*** thermoplastic polymer</p>				
IT	<p>***Rubber*** , butadiene- ***styrene*** , uses            RL: POF (Polymer in formulation); USES (Uses)            ( ***acrylonitrile*** - ***styrene*** copolymer grafted by polybutadiene and; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)</p>				
IT	<p>Vinyl compounds, uses            RL: POF (Polymer in formulation); USES (Uses)            (cyanated, polymers with arom. vinyls, (conjugated diene ***rubber*** -grafted); dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)</p>				
IT	<p>Plastics            RL: POF (Polymer in formulation); USES (Uses)            (dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)</p>				
IT	<p>***Glass*** ***fibers*** , uses            RL: MOA (Modifier or additive use); USES (Uses)</p>				

( \*\*\*fillers\*\*\* ; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Electric appliances  
(household, parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT \*\*\*Automobiles\*\*\*  
( \*\*\*interior\*\*\* trim parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Acoustic devices  
(parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Vinyl compounds, uses  
RL: POF (Polymer in formulation); USES (Uses)  
(aryl, polymers with \*\*\*cyanated\*\*\* \*\*\*vinyls\*\*\* , (conjugated diene \*\*\*rubber\*\*\* -grafted); dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT \*\*\*Rubber\*\*\* , synthetic  
RL: POF (Polymer in formulation); USES (Uses)  
(conjugated diene, arom. vinyl- \*\*\*cyanated\*\*\* \*\*\*vinyl\*\*\* polymers grafted by; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Impact-resistant materials  
(heat-resistant, dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Heat-resistant materials  
(impact-resistant, dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT \*\*\*9003-54-7\*\*\* , Cevian N 24968-12-5, \*\*\*PBT\*\*\* (polymer) 25038-59-9, \*\*\*PET\*\*\* ( \*\*\*polyester\*\*\* ), uses \*\*\*26062-94-2\*\*\* , Butylene glycol-terephthalic acid copolymer \*\*\*106677-58-1\*\*\* , \*\*\*Acrylonitrile\*\*\* butadiene- \*\*\*styrene\*\*\* graft copolymer  
RL: POF (Polymer in formulation); USES (Uses)  
(dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT \*\*\*9003-55-8\*\*\*  
RL: POF (Polymer in formulation); USES (Uses)  
( \*\*\*rubber\*\*\* , \*\*\*acrylonitrile\*\*\* - \*\*\*styrene\*\*\* copolymer grafted by polybutadiene and; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)